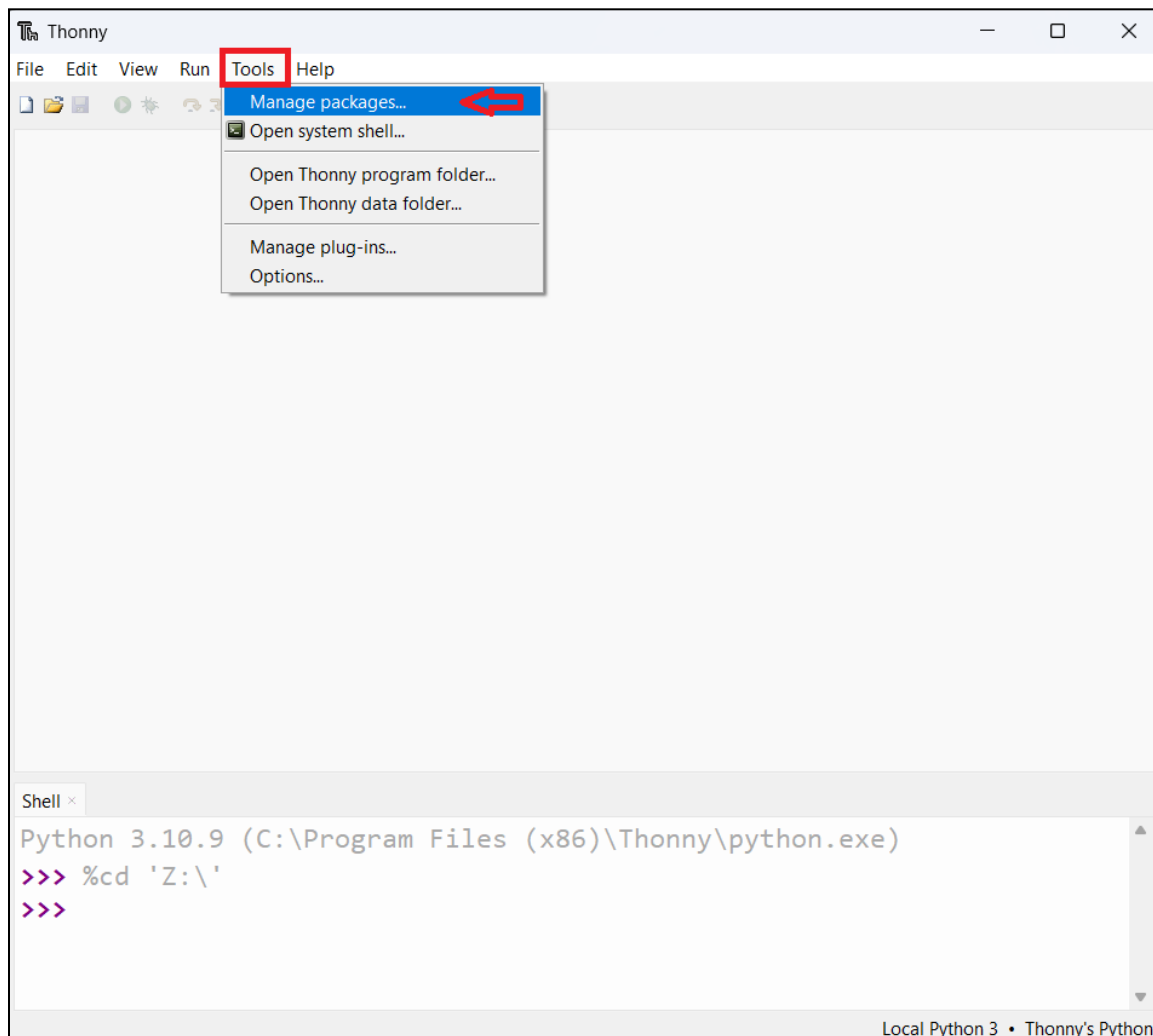


Steps to convert Image file to raw image for Display

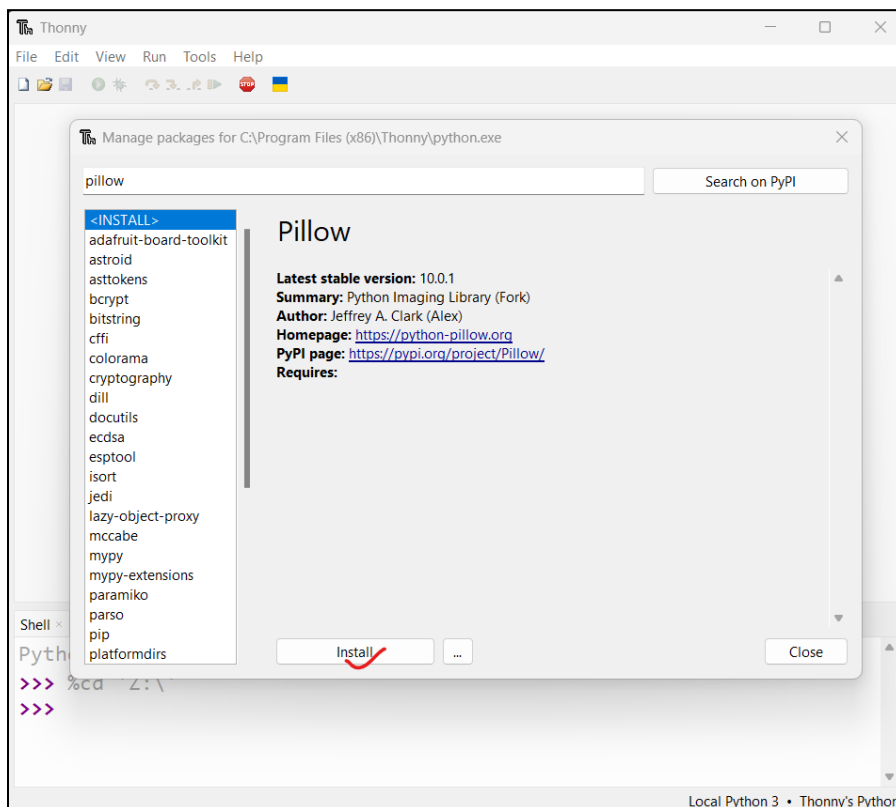
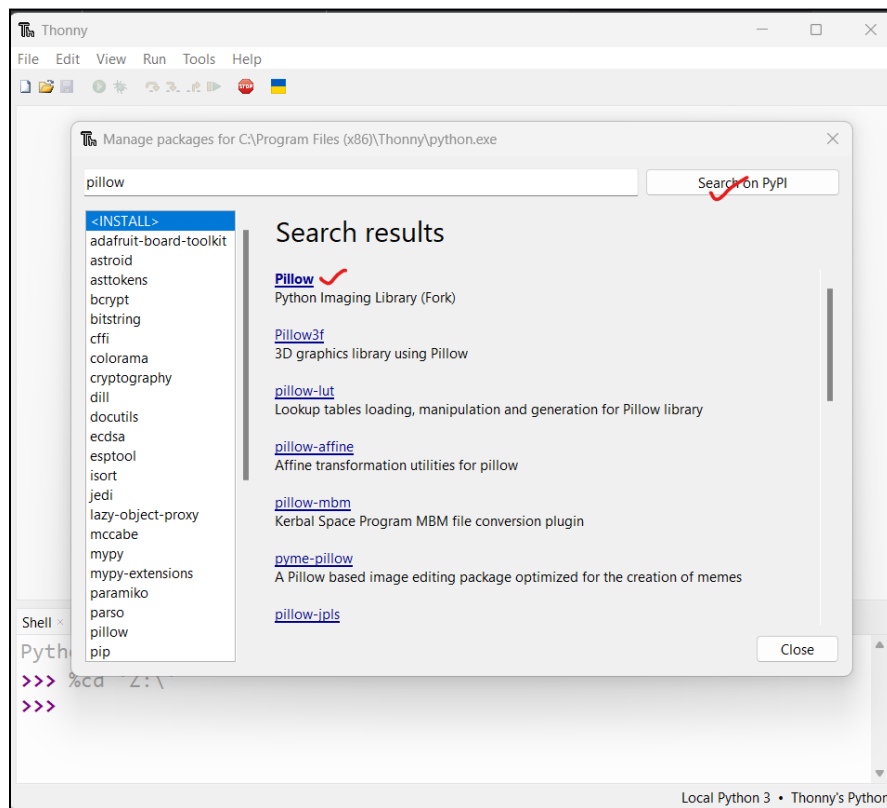
Step 1: Install Package from Thonny IDE

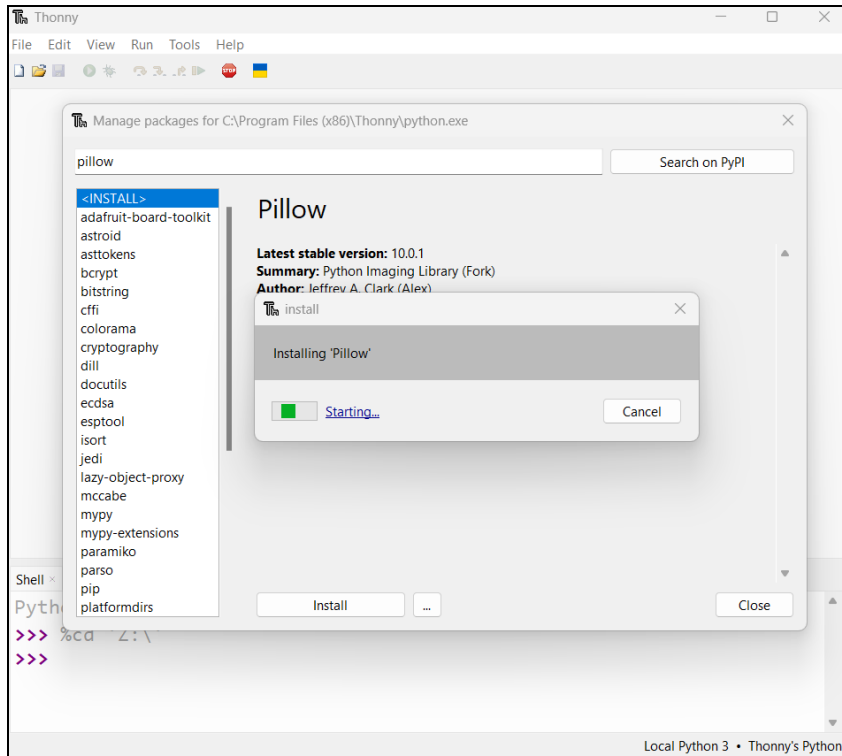
We need a **Pillow** package for converting image files like png, jpg, etc. into raw 565 image format.

Open Thonny IDE, click on Tools > Manage packages..



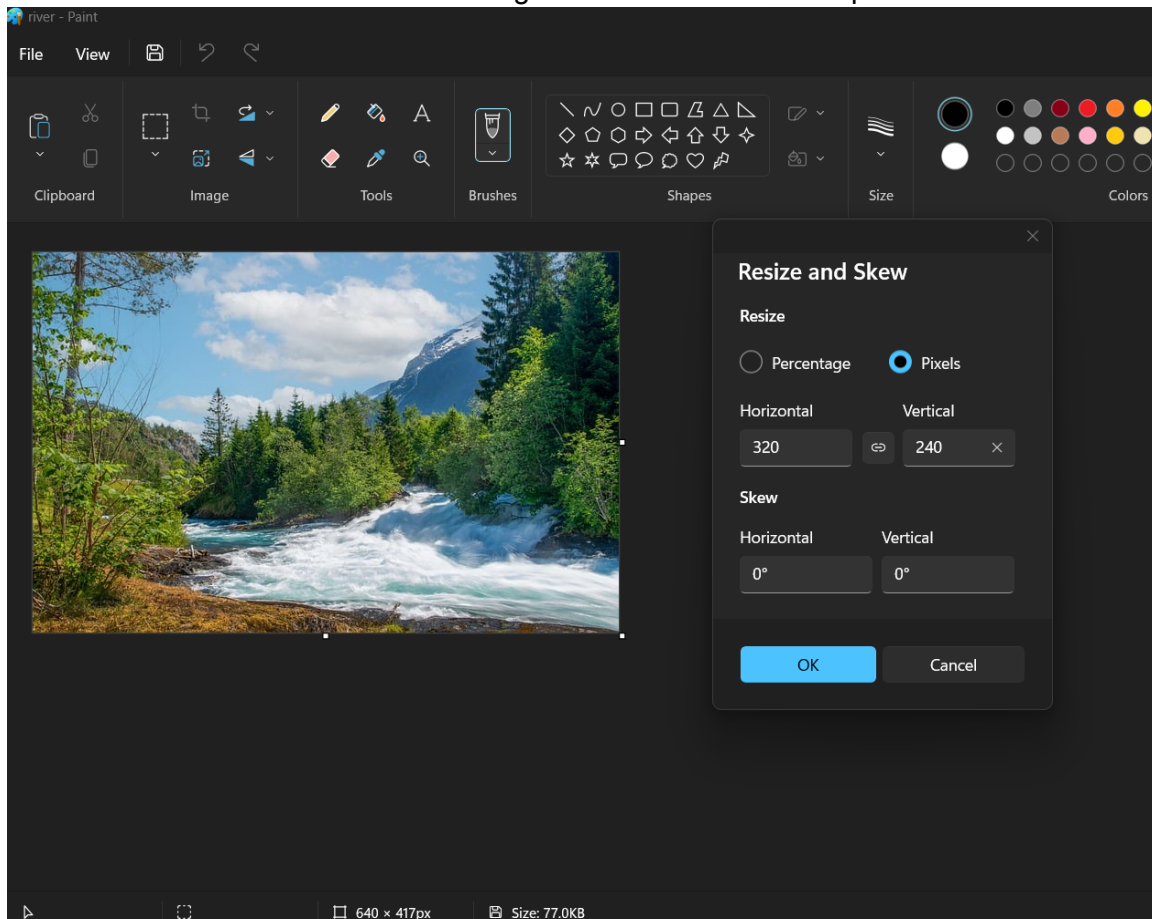
In the search box type pillow and click on the search button. You should see Pillow, click and install it.





Once done then close, so now we are done installing packages.

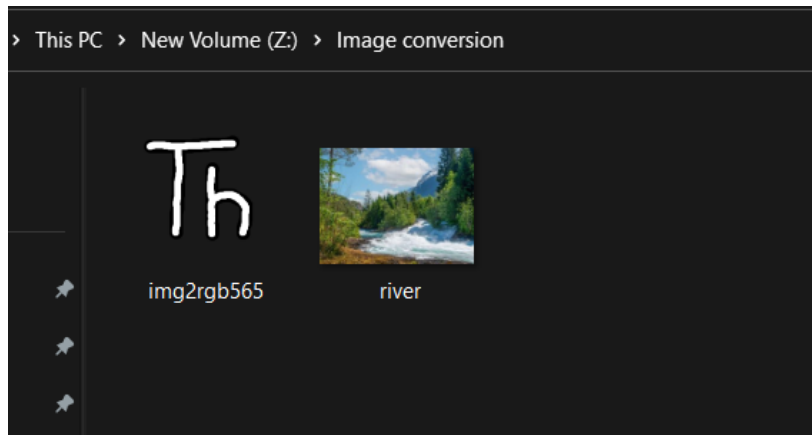
Step 2: Resize image resolution to match your screen resolution using a suitable tool of your choice. Here we are interested in having a resolution of 320x240 pixels.



Step 3: Download img2rgb565.py code file from GitHub

Link: <https://github.com/sbcshop/PiCoder-Software/blob/main/examples/img2rgb565.py>

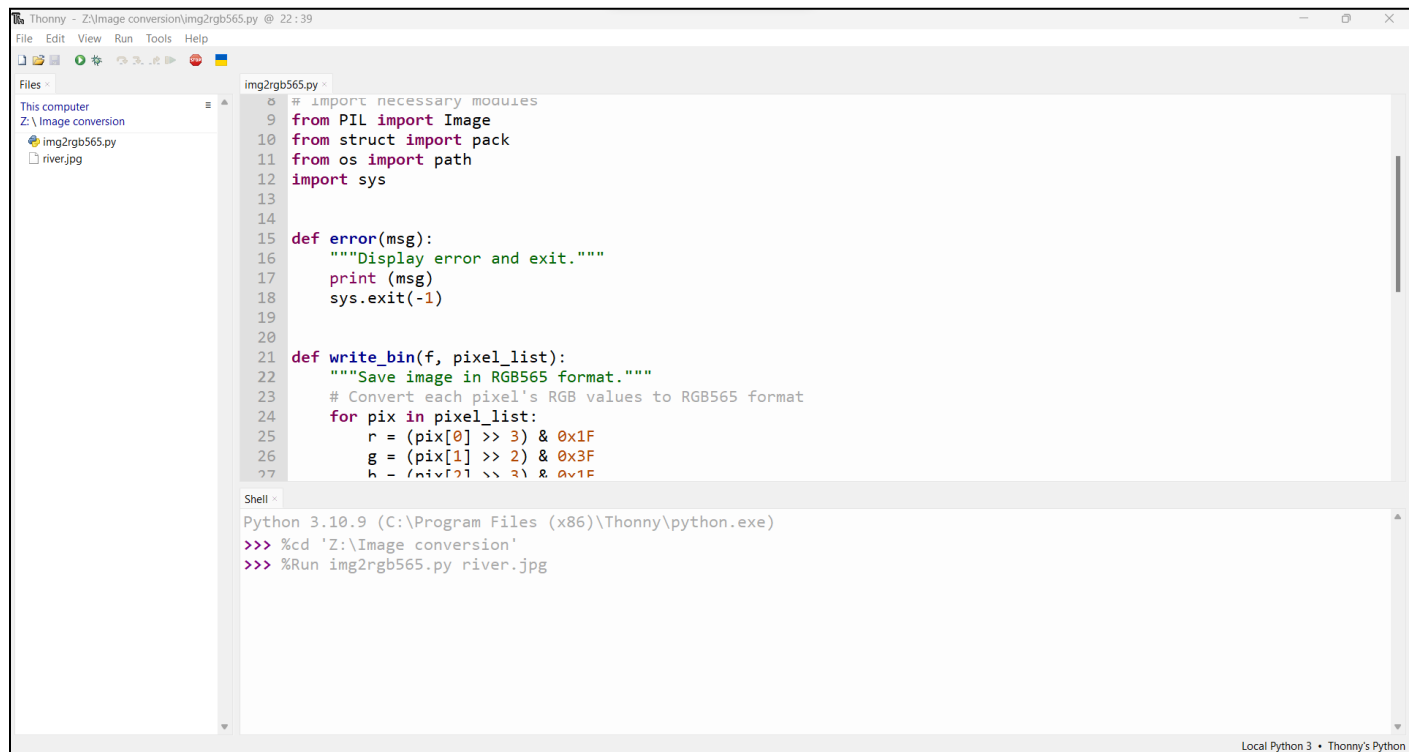
Create one folder, then copy code img2rgb565.py and your sample image. Maintain image and code in same folder as shown below,

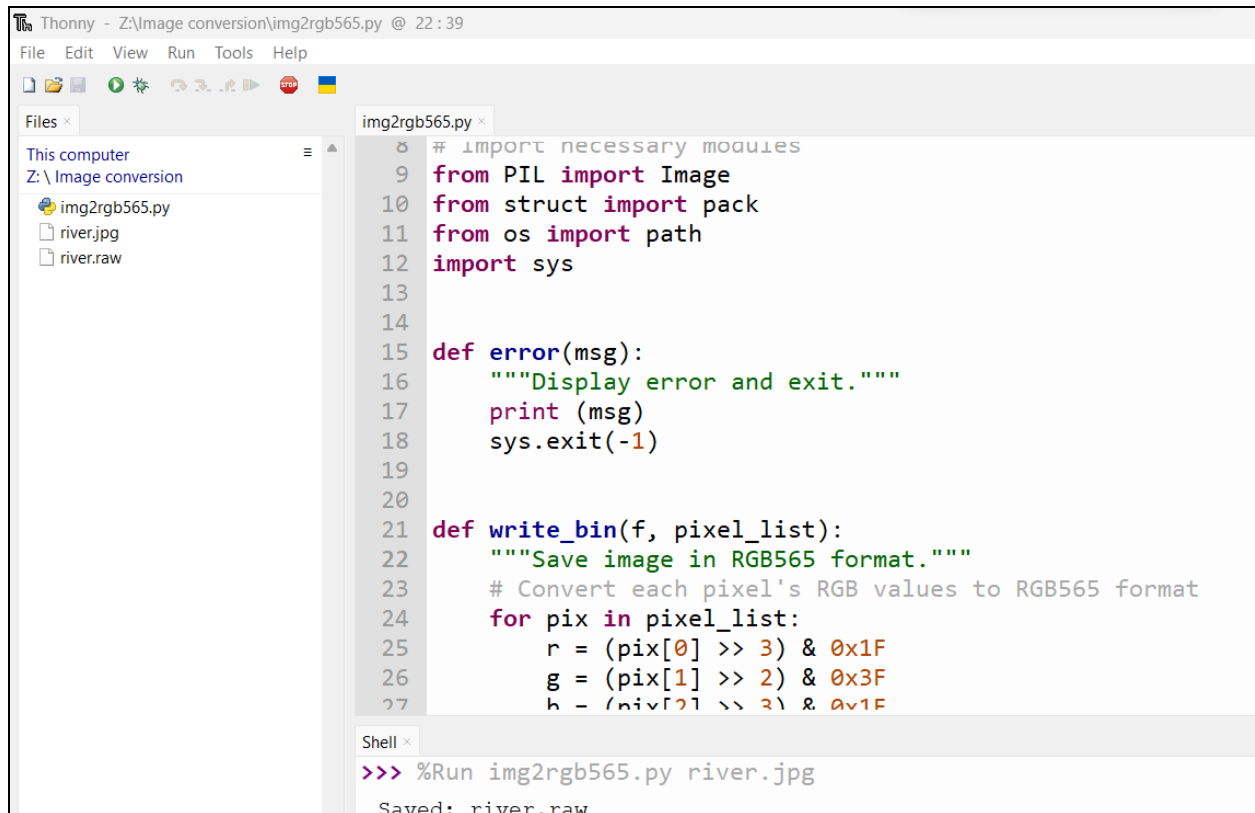


Step 4: Run code for conversion process

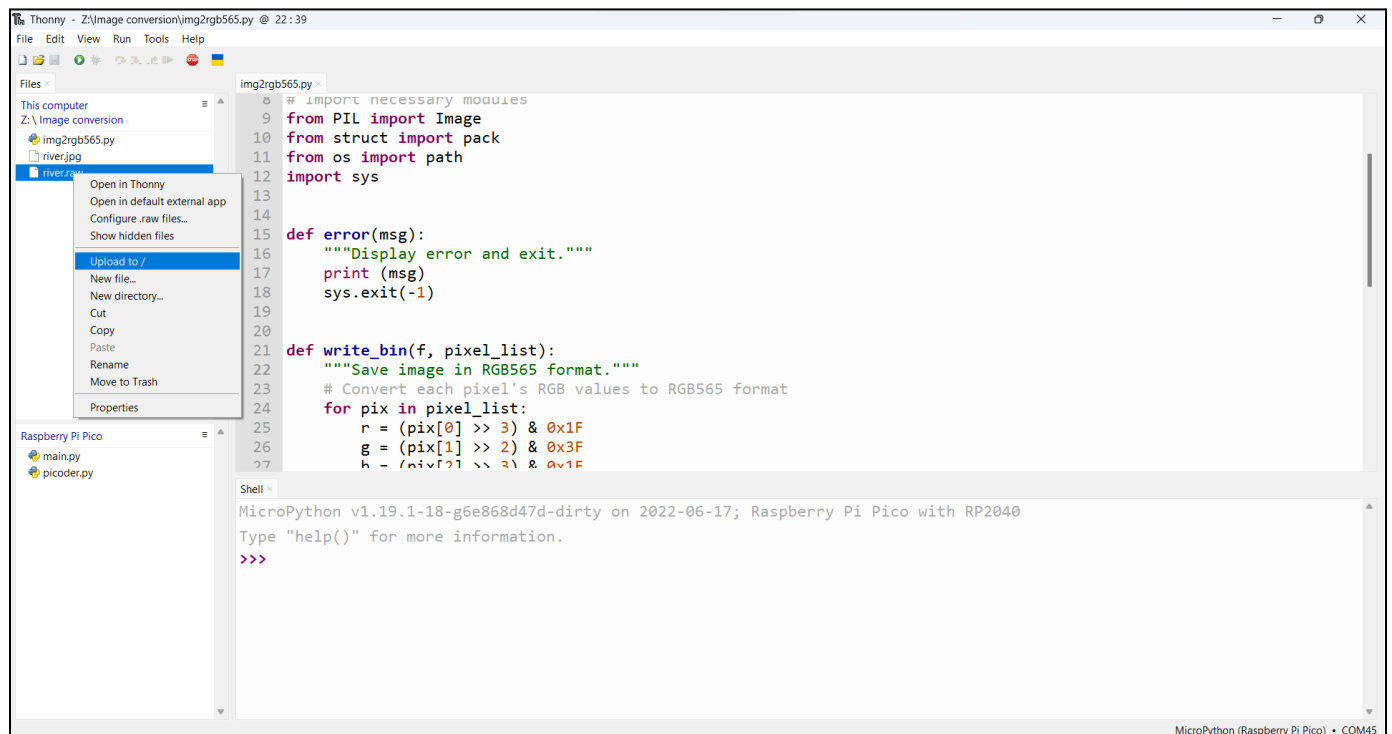
Type following command in terminal, checkout image for reference.

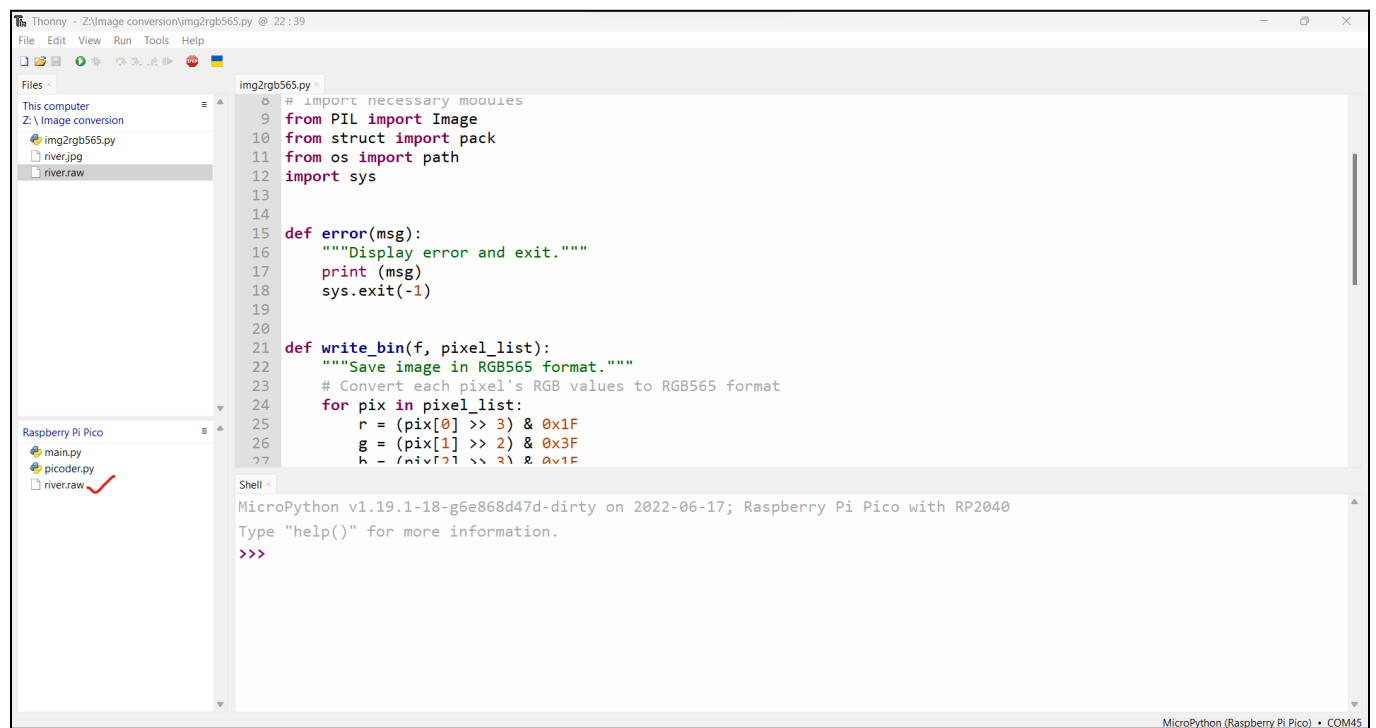
%Run img2rgb565.py imgfilename





Step 5: Transfer file to Raspberry Pi Pico





Done now, you can use image display code to display this raw image on LCD.